

**Amendments to the Claims:**

The listing of claims below will replace all prior versions and listings of claims in the application. The changes to currently amended claims are shown using strikethrough to identify deleted material and underlining to identify added material, except that when strikethrough would be difficult to perceive (e.g., as in the deletion of punctuation marks, such as colons), double brackets are used instead of strikethrough to identify the deleted material.

**Listing of Claims:**

1. (withdrawn) A composition for inducing the expression of phase II enzyme comprising a lipid-soluble *Echinacea* extract.
2. (withdrawn) The composition of claim 1 further comprising a pharmaceutically acceptable carrier.
3. (withdrawn) The composition of claim 1 wherein the *Echinacea* extract is extracted from *Echinacea* roots.
4. (withdrawn) The composition of claim 3 wherein the lipid-soluble *Echinacea* extract further comprises a chloroform soluble *Echinacea* extract.
5. (withdrawn) The composition of claim 1 wherein the *Echinacea* extract is extracted from *Echinacea* aerial parts.
6. (withdrawn) The composition of claim 5 wherein the lipid-soluble *Echinacea* extract further comprises a chloroform soluble *Echinacea* extract.
7. (currently amended) A method of inducing the expression of a phase II enzyme in a subject comprising administering to the subject a chloroform-soluble *Echinacea purpurea* fraction selected from the group consisting of~~[[:]]~~ a chloroform root fraction, ~~and~~ an acidic chloroform aerial fraction, and a combination thereof.

8. (canceled)
9. (canceled)
10. (canceled)
11. (canceled)
12. (withdrawn) A composition for inducing the expression of quinone reductase comprising a lipid-soluble *Echinacea* extract.
13. (withdrawn) The composition of claim 12 wherein the *Echinacea* extract is extracted from *Echinacea* aerial parts.
14. (withdrawn) The composition of claim 12 wherein the *Echinacea* extract is extracted from *Echinacea* roots.
15. (withdrawn) A method of producing lipid-soluble solids of harvested *Echinacea* plant material, the method comprising:
  - a) chopping the *Echinacea* plant material to produce a chopped plant material;
  - b) dehydrating the chopped plant material to produce a dehydrated plant material;
  - c) contacting the blended plant material with methanol to produce a methanol extraction solution;
  - d) drying the methanol extraction solution to produce a dried methanol extract;
  - e) combining at least a portion of the dried methanol extract with water to produce an aqueous suspension;

- f) fractionating the aqueous suspension with petroleum ether to provide a petroleum ether fractionated aqueous layer and an organic petroleum ether layer;
- g) fractionating the petroleum ether fractionated aqueous layer with chloroform to provide a chloroform fractionated aqueous layer and an organic chloroform layer chloroform;
- h) collecting the organic chloroform layer; and,
- i) drying the organic chloroform layer to provide a chloroform fraction powder.

16. (withdrawn) The method of claim 15 further comprising:

- a) adjusting the pH of the chloroform fractionated aqueous layer to about pH 2 to provide a pH-adjusted chloroform fractionated aqueous layer;
- b) fractionating the pH-adjusted chloroform fractionated aqueous layer with chloroform to provide an acidic chloroform fractionated aqueous layer and an acidic organic chloroform layer;
- c) collecting the acidic organic chloroform layer; and
- d) drying the acidic organic layer chloroform fraction to provide an acidic chloroform fraction powder.

17. (canceled)

18. (currently amended) The method of claim 7 wherein the chloroform-soluble *Echinacea* fraction ~~is~~ comprises an effective amount to induce phase II enzyme expression.

19. (currently amended) The method of claim 7 wherein the chloroform-soluble *Echinacea* fraction is provided in a concentration of about 0.09 mg/ml mg of the fraction per ml of a medium.

20. (previously amended) The method of claim 18 wherein the phase II enzyme has a quinone reductase activity of about 1.86 at 610 nm.